

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization  
International Bureau**



(43) International Publication Date  
10 June 2004 (10.06.2004)

Saskatchewan S7S 1E6 (CA). MAENZ, David, D.  
[CA/CA]; 316 Hugo Avenue, Saskatoon, Saskatchewan  
S7N 1J8 (CA). CLASSEN, Henry, L. [CA/CA]; 235  
Sylvian Crescent, Saskatoon, Saskatchewan S7H 5G1  
(CA).

**(22) International Filing Date:** 24 November 2003 (24.11.2003)

(25) Filing Language: English

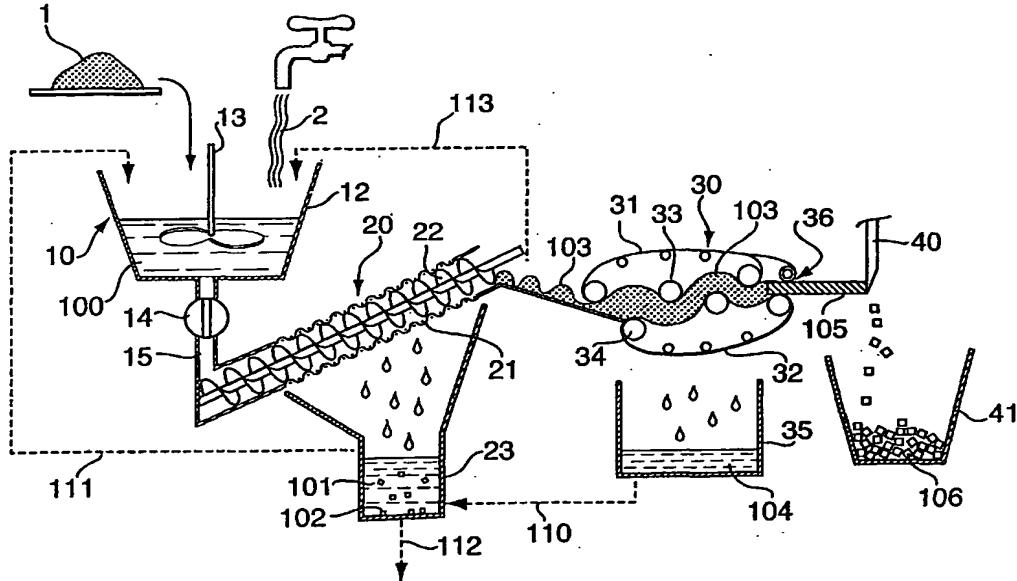
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English  
(30) Priority Data:  
2,412,613 22 November 2002 (22.11.2002) CA

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

*[Continued on next page]*

**(54) Title: FILTRATION OF VEGETABLE SLURRIES**



**(57) Abstract:** Discloses a two stage filtration system for treatment of fibrous vegetable matter, particularly oilseed materials such as oil-extracted canola flakes to separate the low valued fibrous material from soluble material and small non-structural water-insoluble material of higher value. The filtration system receives a vegetable matter slurry and passes the slurry through first stage filter which is an impeller type filter that operates to separate the slurry into a filtrate and a moist retentate. The moist retentate is further filtered in a second compression filtration stage or a centrifuge to remove additional water. Small non-structural insoluble matter is removed in the filtrate.



SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*